

Instructional Technology Staff 573/751-8247

- Kathy Parris, Supervisor
- Claranne Vogel, Supervisor
- ∠ Lisa Walters, Library Media and Technology Consultant
- Rosalyn Wieberg, Supervisor
- Shirley Brumley, Administrative
 Assistant

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August came in like a lion but (thankfully) went out like a lamb. Early in the month, the Department was bracing for significant cuts in general revenue appropriations. Some estimates had the technology budget cut by as much as \$2.7 million. Later, however, Governor Holden announced his decision to exempt programs and funds that directly benefit schools, reaffirming his commitment to education. While the Department still must reduce administrative costs, funds that support technology, A+ Schools, safe schools, gifted education, transportation, etc. have been fully reinstated. We aren't out of the jungle -- FY02 technology appropriations are less than what has been received in the past -- but the trees and underbrush have cleared a bit. -Deb

FY02 Instructional Technology Grant Programs

Technology Core Budget Exempt from Governor's Reserve

The Department will be able to fully fund the Technology Acquisition and Enhancement (TAG) and Interactive Distance Learning (IDL) grants. The Governor's action did not reinstate the Competitive Technology Program or affect the VIDEO Program. VIDEO funding was never subject to the withholding, and the FY02 appropriation is still just over \$1 million (at 25% of full funding).

NOTE: The Department is suggesting schools budget a 10% reserve – in case we learn in January or February that state revenues fell short of expectations during the first half of the fiscal year.

TAG/VIDEO and TLCF 2nd-year Grant Applications Due this Month

TAG/VIDEO applications can be submitted online anytime through September 15, 2001. While applications will be processed as they arrive, all are "substantially approved" as of July 1, 2001.

FY01 was the last year of funding for the TLCF program. However, the FY01 grant can be used through September 2002. DESE reserved funds to support FY02 second-year grants. Online applications for these second-year grants will be available during the window of September 1 - 15.

IDL (Interactive Distance Learning) Pending Grants Funded

With funding restored, the Department will also be able to fund the "pending" grants listed in last month's issue of *Newsline*. Instructional Technology supervisors have begun contacting these schools to negotiate the budget and award final approval.

TNP (Technology Network Program) and eMINTS Funding Under Review

The Department contracts with MOREnet to administer the TNP and eMINTS programs. Moneys used to sustain these programs include: technology funds, e-rate discounts, participant fees and higher education's support of the backbone. Department and MOREnet staffs are still working to finalize the FY02 contract. At this time, no decisions have been made about whether we will be able to discount TNP participant fees or purchase the student PCs for the eMINTS Program.

Federal Education Bill and Technology Grants Still Under Discussion

Congress starts back to work this month after its August respite. President Bush stated he wants the Education Bill to be one of the first bills passed when Congress reconvenes, so stay tuned...

E-rate Funding Commitment Letters, New Forms, and CIPA Certification SLD Issues 4th Wave of Funding Letters for Year 4

On September 4, the Schools and Libraries Division will issue over 2,200 funding commitment letters. Wave four distributes \$400.5 million, and brings the total commitment to over \$1.1 billion. For the first time, the funding letters include discounts for Priority 2 requests (internal connections) but only for applicants at the 90% discount level. Following the mailing, funding data for the wave will be featured on the SLD website at http://www.sl.universalservice.org.

CIPA Certification and New Form 486

Schools and libraries that receive E-rate discounts for Internet Access must comply with the Children's Internet Protection Act (CIPA). The new Form 486 incorporates the certifications required by CIPA. Versions of the Form 486 featuring a date earlier than July 2001 in the lower right-hand corner will be returned to the applicant, since they will not meet program requirements.

Missouri Statewide Buy of Filtering Software Under Investigation

MOREnet and DESE staffs have been investigating the feasibility of a statewide purchase of filtering software, to help districts become CIPA compliant. MOREnet conducted a Request for Information (RFI) to identify what software providers might be interested, types and quality of software available, whether the filtering can be applied at the backbone level, and projected costs. Based on the RFI findings, an RFP will be developed. Meanwhile, school districts should

be examining their Internet safety policies. CIPA mandates that at least one public meeting be held to discuss (current and future) policies to ensure community support of the district's safety strategies.

MOREnet School and Library Participants Must Complete Form 479

Form 479 is the form that all DESE TNP and REAL participants must complete and send to MOREnet. Forms must be postmarked by Friday, September 14, 2001. Instructions for completing and submitting Form 479 are available at http://www.more.net/usf/form479instructions.html/.

It is imperative that districts complete and return the forms, as they are necessary for MOREnet's statewide e-rate application. Any form indicating non-compliance will result in lower discounts and higher participation fees. In fact, if finances warrant, DESE may require CIPA-compliance as a requisite for district participation in the TNP.

District Technology Plans Approved this Month

To be eligible for TAG grants, every district must develop a long-range technology plan that supports the district's comprehensive school improvement plan (CSIP) and is approved by the local school board and the Department. State approval is good for up to three years. State approval is also necessary for district participation in the TNP and E-rate programs.

The next major review of district technology plans is scheduled for September 28, 2001. Plans ready for state approval should be submitted to the Instructional Technology section prior to September 15. Note that the next review cycle is slated for April 2002 (and each April thereafter).

Visit http://www.dese.state.mo.us/divimprove/instrtech/techplan/techplan.htm for "Technology Planning Information" -- such as how to:

- Determine when each district needs its plan approved / re-approved
- ZZ Develop an effective, approvable plan
- Become familiar with the Technology Plan Review Form and scoring criteria
- Access sample plans, e-rate information, and links to other helpful resources

Missouri Launches New Technology Leadership Academy

In August, Commissioner King announced the approval of a major grant from the Bill & Melinda Gates Foundation, "to help Missouri public and nonpublic school officials learn how to use the power of new technology to improve teaching and learning." The state will receive \$2.7 million over a three-year period to create a statewide Technology Leadership Academy (TLA) for school principals and superintendents. The project will begin with 370 participants this school year and serve nearly 700 each of the next two years. Each participant receives a laptop computer for use during the training.

DESE will contribute \$1.8 million in state professional development and technology funds to support the TLA. SuccessLink will manage the project and serve as the fiscal agent. The nine Regional Professional Development Centers will serve as the training hubs. Participants will contribute about \$900,000 for a total budget of \$5.4 million. Participants are assessed a \$500 tuition that includes the laptop, carrying case, software, instructional material and training.

SuccessLink plans to have applications available October 1 and accept applications October 15 through November 15. Participants will be distributed equitably throughout state, by geographic region and school type (public or nonpublic) and size.

The TLA grant proposal can be viewed on the DESE Leadership Academy web site at http://www.dese.state.mo.us/divteachqual/leadership/Gatesp1.htm. For information regarding the application process, contact: Mark Yehle, Director of SuccessLink, (573) 636.4395, or call toll free (888.636.4395), fax (573.636.4593) or email (myehle@successlink.org).

∠ Discontinuation of MOREnet Mail Services Rumor

There has been a rumor circulating that MOREnet is discontinuing mail services. This rumor is FALSE. The CONNECT e-mail account services that MOREnet provides to schools and libraries will remain unchanged.

What is really happening? Around May of this year, MOREnet Security sent an email to specific organizations that have their own mail servers and that were using MOREnet's mail relay service. The email stated that as of September 1 the mail relay service would be discontinued. Those organizations needed to set up their own relay server, upgrade their mail server software or make other arrangements. Suggestions for alternatives were provided to those organizations.

Discontinuing the mail relay service only affects those organizations that are currently using it, or were planning on setting up their own mail server that would need a relay service. Mercury Mail for Novell is one such program. If customers are concerned that they may be affected, please contact MOREnet's Technical Support.

For more information on installing and configuring e-mail servers, see: http://www.more.net/consulting/index.html#installation

∠ Learning With Technology

--Featuring Kirkwood R-VII and Cape Girardeau 63

Kirkwood R-VII

Reading Turns Around integrating technology into instruction is a classroom management problem when teachers are accustomed to whole-class instruction and not comfortable with developing rotations so that all students can have equitable access to the classroom computers. Additionally, finding appropriate uses of the computer in reading instruction is difficult. In the Kirkwood School District, we are beginning to address those in a manner that address the needs of our struggling readers.

During the 1996-97 school year, in the Kirkwood School District, a Reading Task Force studied a five year trend of standardized achievement test scores and concluded that the majority of Kirkwood students were demonstrating average to above average performance in reading, while approximately 20% of our student population in grades 4-9 were not achieving at the same pace and level as their peers. An average of 70% of lower socio-economic students scored below the 50th percentile for the years 1995-97, compared with an average of 22% of our higher-socio-economic students over the same period. Other indicators also demonstrated to us that we needed to address the needs of struggling readers; therefore, we began a search for a way to help these students.

In the spring of 1999, we discovered that Dr. Ted Hasselbring, of the Technology Learning Lab

at Vanderbilt University, was getting good results with struggling readers. He demonstrated for us a prototype of a product soon to be released commercially by Scholastic, Inc. that we felt would help address the needs of struggling readers in our 4th through 9th grades. A district-wide 1999-2000 Incentive Grant for middle school struggling readers called Reading Roundabout and a vendor donation helped us begin our project. We added 4th and 5th graders to the program with a Missouri Technology Literacy Challenge (TLCF) Grant project called Reading Turns Around. Using funds from these grants, we purchased the Read 180 program and some additional computers and initiated a plan for staff development in reading and technology integration.

Read 180 classes are small with one computer for every three students, but the computer software is not the only aspect of the project. The key to the success of Read 180 is the technology integration model that teachers have learned. Successful Read 180

classes are 90 minutes long and incorporate a three small group rotations. Class begins with a 20-minute whole group instruction period where the teacher conducts community-building activities, reads books aloud, conducts shared reading sessions, or leads the class in activities



designed to meet whole-group needs. The class ends with a 10-minute wrap-up period so that closure can be attained. Sandwiched in between are three 20-minute rotations for small groups. One rotation period is spent on the computer in a highly interactive environment where students view a video to develop mental models; read and reread a leveled passage; and work on reading comprehension, fluency, automaticity, and spelling. Students have another 20-minute small group rotation where they receive direct instruction with the teacher in an atmosphere conducive to individualized instruction to meet personal and small group needs. The third rotation is an independent reading time with an accountability component which is both written and computerized.

The results for the first year showed that 89% of the students

enrolled in the program either maintained or increased their word

recognition level of performance. Spelling performance for 75% of the students increased markedly. Teachers reported the following benefits to students: active student engagement, student motivation and competition, transfer of skills to other settings and content areas, self esteem and confidence building, and a safe, non threatening environment for students to take risks. Results from the second year are just now being analyzed and are proving to show greater gains than we had hoped for in the first year.

In addition, to the increased achievement of the students, we



are finding that teachers are using the technology integration model in other subject areas like mathematics, social studies, and science. We have begun to add the technology integration model to lower elementary classes with a Read to Be Ready Grant and Rigby—PM software. The district funded the expansion of the Read 180 program into the high school.

Funding increased computers in classrooms, software, and necessary staff development has been a challenge. Eight years ago, Kirkwood taxpayers approved a tax levy dedicated to technology, but we have sought additional funding as well. We have funded most of this reading initiative with grants—a 1999-2000 Incentive Grant, a 2000-2002 TLCF grant, a 2000-2003 Read to Be Ready Grant, a vendor donation, and E-Rate funds. First, we identified the need. Second, we found a research-based program to help address that need. Then we sought grant dollars to help fund the initiative.

Gratitude of students and parents who see the value of the project has made the effort worthwhile. One parent expressed her feelings about the effects the reading program was making on her child by saying that she "has struggled a great deal with reading writing all her life, but I have really seen an incredible difference this year. She is reading for pleasure before she goes to bed at night! Wow! It has always been so difficult, she would fight about doing any kind of reading and want me to read it for her!" The parent said that her daughter "has reached a BIG turning point in her education . . ." For more information contact Dee Wiecher WiecheD@gw.kirkwood.k12.mo.us

Cape Girardeau 63

Receiving a Technology Literacy Challenge Fund Grant and then partnering it with district funds, a Competitive Technology Grant, a Read to be Ready Grant, the eMINTS program and Technology Acquisition funds has allowed two collaborating school districts to maximize the "snowball effect" of their initial grant program.

The goal of *Technology Aids Curriculum Success* was to provide technology and curriculum resources for implementing curriculum strategies to give teachers and students the skills necessary to be successful in the 21st century. This has been substantially achieved by the participating schools of Delta Elementary in the Delta R-V District and Franklin Elementary in the Cape Girardeau Public Schools. This collaboration involved implementing a two year Technology Literacy Challenge Grant program within the two schools.

Major project activities included setting up each school's computer lab with a SmartBoard and projector and placing a computer workstation with Internet access in all the teacher' classrooms. Teachers were provided with three levels of training to enable them to become proficient for the end result of integrating technology infused projects into the curriculum. In addition, non-public teachers were able to access training on computer basics.

The TLCF grant is being supplemented by Technology Acquisition Grant funds in continuing to provide the three levels of training. Level I training covers the basics and because of new staff members is still being implemented. Level II begins and Level III continues the process of integrating technology infused projects into the curriculum. Level III has a stronger emphasis of higher order thinking skills supported by technology. These have been illustrated by the development and use of WebQuests. All training sessions are web based for information and registration. These are held after school and on Saturdays.

Franklin Elementary was able to implement the eMINTS program in two fourth grade classrooms through the TLCF grant in the second year of the program. This has enabled the

entire school and the district to benefit from the training the eMINTS teachers receive monthly. A partnering of fourth grade teachers in the Competitive Technology grant along with the eMINTS teachers enabled the former to extend their professional development in technology integration.

Both schools partnered in purchasing communication arts software and providing teachers with extensive professional development implementing the software.

The Director of the Southeast Missouri State University Center for Scholarship in Teaching and Learning provided his expertise both as a professor and a Franklin parent in providing additional yearlong classes in web production and maintenance. K-3 teachers participating in the Read to be Ready Grant were provided with training in producing web pages highlighting the reading program. These teachers were trained as a result of initial training provided by the TLCF Grant.

The snowball effect is alive and working in these two schools and their districts. By combining funds and training resources, it has provided both schools the resources to successfully improve instruction. For more information contact Helen Gibbar, Instructional Technology Coordinator, at hgibbar@cape.k12.mo.us

--Submitted by Terry Morrow, Milan C-2 School District

Education Plus Network

Education Plus Network (EPN) was established in 1992 as the first fiber optic distance learning network in the state of Missouri. This network first provided two-way simultaneous classroom instruction for Green City R-I, Milan C-2, and Putnam County R-I Schools during the 1993-94 school year. The Adair County R-I School District became a member of EPN in 1995.

In 1992 the boards of education from the original three school districts entered into a ten-year lease with Northeast Missouri Rural Trust Telephone Company and Alltel Service Company. This agreement was updated with the addition of the Adair County R-I School and the establishment of the Oregon Farmer's Tariff. Each school district dedicates the VIDEO grant funds and also contributes local monies for financial support of the network. EPN and the individual school districts also utilize the funding available through e-rate.

EPN is beginning the ninth year of providing dual credit and advanced high school courses to these four rural school districts in northern Missouri. Undergraduate and graduate level courses, University of Missouri Extension course offerings, Rural Health Education Agency classes and community general interest and safety classes have also been available for community members during the evening and summers.

The four school districts have the same school calendar and have operated using the same bell schedule during the school day until this current year. The course offerings for each school year are established after surveying the students' requests. The EPN courses are taught by high school teachers as part of their regular teaching schedule. The EPN Coordinator works with the administrators and teachers to establish consistency and continuity between each school district. The network also employs a technology coordinator to work between the four school districts.

The EPN administrators and board members are committed to further enhancement of the educational offerings provided through distance learning by seeking connection to other

networks within the state. This expansion project will provide the students and community members of Green City, Milan, Novinger, and Unionville additional educational opportunities as we enter a new era of distance learning. For more information contact Terry Morrow at 660 265-4414.

Z Professional Development Tip of the Month

--Submitted by Claranne Vogel, Supervisor, Instructional Technology, DESE

Rather Fight Than Switch?

It's a new school year, and you've spent the summer writing lessons and help sheets for the new technology programs your school wants to implement this year. The schedule is made and the teachers are present at the first in-service. As you're standing in front of that group of wary teachers, and seeing the "I dare you" expression on their faces, try this experiment. Ask everyone to fold his or her arms across their chests. Make sure you do it yourself! Now, ask them to fold them "the other way" – right and left hands opposite of their natural way. See how long it takes some to make the switch? Did you notice how much thought and concentration went into this simple switch? Now ask them to stay that way for a minute. Ask them how it feels, how uncomfortable are they, and how unnatural it seems.

If making such a simple change can cause that kind of ruckus, then imagine how teachers will react when you ask them to make a change in something as major as the way they teach. No amount of planning or paperwork can take the place of good old common sense – not everyone takes to new things in the same way.

When the discussion regarding changes has quieted, have your teachers use an adaptability scale to see how keen they are to change. You can check out one designed by Dr. Jamie McKenzie at http://www.fno.org/fnomay91.html.

Not liking change is NOT a bad thing...it helps those of us who make change quickly (sometimes too quickly?) from setting a frantic pace that accelerates out of control. Allowing your staff to discuss change and measure their own attitudes is a great first step to making the switch instead of fighting it.

Z Copyright Question of the Month

- Q. May an educator (e.g., administrator, classroom teacher, substitute teacher, or student teacher) other district employee, volunteer, or others make copies of sheet music for student use?
- A. **No**. This is not allowed under fair use guidelines.

Note: In an **emergency** situation for <u>immediate</u> performance, legally owned music may be used to make copies. These copies must be used immediately and must be destroyed after the performance.

A single copy of each part needed to perform the musical work would be considered a performable unit.

September	PREPARE TECHNOLOGY PLANS FOR SEPTEMBER SUBMISSION
1	Newsline published online
1-15	Window for onlineYear Two TLCF applications
15	Technology Plans due to DESE
15	TAG and VIDEO 2001-2002 Grant applications deadline
28	Reading of Technology Plans
30	Last day to obligate salaries, purchased services and travel (TLCF grant)
October	
1	Newsline published online
1	Tentative Approval for Year Two TLCF Grants
3	First Payment for TAG, VIDEO, and IDL Grants (newly approved)
15	Final payment, newly approved & deadline FER's/PEN's of TLCF
	Grants. Online windows for TAG/VIDEO, Year two TLCF close

∠ Upcoming 2001-2002 Conferences

October 7-9 Missouri Educational Technology Conference 2001-A Technology Odyssey Tan-Tar-A, Osage Beach, MO http://www.more.net/events/fall2001/ October 17-20 School Tech Expo—Professional Development for Education Technology Leaders Hilton Hotel and Towers, Chicago http://schooltechexpo.com SchoolTech Expo & Conference October 18-21 Chicago, Illinois http://www.schooltechexpo.com October 23-24 Connected Classroom Conference Seattle, WA October 24-25 National Science Foundation Regional Conference University of Washington, Seattle, WA http://www.nsf.gov October 26-28 Missouri Conference on Public Education Tan-Tar-A. Osage Beach. MO Missouri School Board Association October 29-30 Connected Classroom Conference Las Vegas, NV 15th Annual Technology + Learning Conference November 7-10 Georgia World Congress Center, Atlanta, GA National School Boards Association ITTE: Education Technology Programs http://www.nsba.org Annual Christa McAuliffe Technology Conference November 27-29 Nashua, New Hampshire http://www.nhsaa.org/ January 27-29 Midwest Education & Technology Conference Millennium Hotel, St. Louis Cooperating School Districts March 5-6 Annual Technology Conference (tentative) University Plaza Hotel, Springfield **RCET-SW** March 5-6 MOREnet Spring Technical Conference Tan-Tar-A, Osage Beach, MO Missouri Research and Education Network **HELIX Conference** April 24-25 Tan-Tar-A, Osage Beach, MO MERC (Missouri Education & Research Consortium) HELIX (Higher Ed Learning & Information Exchange Conference October 6-8 Missouri Educational Technology Conference Tan-Tar-A. Osage Beach, MO Missouri Research and Education Network Missouri Department of Elementary & Secondary Education

Technology Resources--Lesson Plans On-Line Technology Tutorials & Lessons From Around the World Wide Web

http://www.internet4classrooms.com/on-line2.htm

Kaye's Master Trainer Site

http://www.oktechmasters.org/kayed/

Microsoft Office 2000 Tutorials (Word, Excel, PowerPoint, Access, Front Page) http://www.fgcu.edu/support/office2000/

First Day "ICEBREAKERS"

www.education-world.com/a lesson/lesson131.shtml

Break through to your students on the very first day of school! Whether you're a new teacher or veteran, you'll enjoy this site's start-of-the-year activities. Choose from "getting to know you" activities for any grade or helpful tips for "good starts." All the ideas are submitted by teachers—so why not submit one of your own?

McGruff's Back-to-School Tips

www.ncpc.org/10back2.htm

Warning! Not sharing this information with your students could be hazardous to their health! Invite children to check out this online list of personal and school safety tips. Then have them click on "What if" to practice making wise decisions. During the first month of school incorporate these stay-safe tips into dramatic role-playing activities.

Back-to-School Stuff

http://atozteacherstuff.com/tips/backtoschool.shtml

Meet, manage, and motivate. Need ideas on how to greet students and meet parents? Look no further! You'll welcome these time-saving tips and new suggestions for old themes that will make going back to school marvelous!

Assessing Disabilities

http://www.Idonline.org

Every child is different, and all children are "differently abled." This site's interactive guide will help you get the answers to all your questions regarding disabilities—straight from the experts! Send students to the KidZone to play interactive games, listen to audio clips and skits, view a student art gallery, or just speak their minds.

Energy in the Air: Sounds From the Orchestra

http://tqjunior.thinkquest.org/5116

Teachers, take note! This award-winning site, created by students for a ThinkQuest competition, features a conductor and full orchestra, a glossary of musical terms, and activities that explore sound and vibration. Click on an instrument and read its noteworthy history. Or listen to audio samples by classical composers from Grieg to Gershwin. Whether you teach music or just want to jazz up your curriculum, this site is sure to be music to your ears.

Heaven Sent

http://www.geocities.com/flack46

After connecting to this site, you'll think you've died and gone to heaven. It indexes over 100,000 lesson plans, downloads, and resources. Click on a wide range of topics from the Amish to Zoology and get sent to a number of worthwhile links.

SchoolShows.com

http://www.schoolshows.com/

A nationwide directory of school shows, assemblies, school assembly programs, workshops, and residencies. SchoolShows.com is a great way to find presenters for your school assemblies. They list, by name, topic, and category, the performers who tour in your state. The most current information on these performers is available 24 hours a day.

Creating School Calendars Calendars.net http://www.calendars.net

HTML Calendar Maker Pro http://www.htmlcalendar.com

Web Calendar Software http://www.greathill.com/calendar.htm

Pumpkins and More http://www.urbanext.uiuc.edu/pumpkins/

Fall Recipes

http://www.usapple.org/special/fallrecipes.html

PBS Kids

http://pbskids.org/

Worried that your students are too young to ride the Internet superhighway alone? Equip them with Internet "training wheels" by sending them here. Your students can travel to the Web pages of celebrated TV and book characters such as Arthur, Mister Rogers, and Clifford. Each character's site features fun and interactive learning activities including multimedia puzzles, story scrambles, and matching games. Kids navigate by clicking on "street" signs to explore the site's main areas—"Fun and Games," "Did You Know?" and "Write On."

Study Skills

http://esd.iu5.org/LessonPlans/StudySkills/studymain.htm

Ready, set, go! Start the year off on the right foot by directing kids to this site that outlines how to attain academic success, one step at a time. Students in grades 4 and up can jump-start the school year and become more efficient by learning to tackle major tasks like setting goals, prioritizing, and scheduling.

Writing Basics for Students

http://www.abcteach.com/Writing/writingTOC.htm

This site covers letters, poetry, book reports, lessons, writer's craft, and more. Also, check out the writing prompts for August and September.

Everything ESL!

http://www.everythingesl.net

This site features everything you need to help your ESL students develop oral and written language. It also offers content-area lesson plans that celebrate cultural diversity. An excellent bibliography, with accompanying activities, will help you stock your ESL library with award-winning literature.

E-Learning

www.quia.com

You'll see how e-asy e-learning can be when you access Quia's free learning activities, games, puzzles, and assessments. Click on "EXPLORE" to view teacher-designed activities in more than 50 subject using "novice friendly" templates or design a class Web site to post homework assignments, practice tests, and review games.

ASCD Tutorial Series

http://webserver2.ascd.org/tutorials

The Association for Supervision and Curriculum Development, is an international, nonprofit, nonpartisan education association committed to the mission of forging covenants in teaching and learning for the success of all learners. The ASCD provides professional development in curriculum and supervision through their online free tutorial services. These tutorials are short multimedia lessons on topics for all levels of educators. Each lesson includes a definition, short articles on the topic, video and audio files of experts and practitioners, and a listing of resources that can be used to continue your professional development.